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Remote Patient's Health Monitoring

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By

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CERTIFICATION OF ORIGINALITY

This is to certify that I am responsible for the work submitted in this project, that the original work is my own except as specified in the references and acknowledgement and the original work contained herein had not been taken from or done by unspecified sources or person(s).

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ABSTRACT

As the Internet begins to play a greater role in many healthcare processes, it is inevitable that remote monitoring of patients' physiological parameters over the Internet will become increasingly commonplace. Internet-based communication between patients and their healthcare providers has already become prevalent, and has gained significant attention in terms of confidentiality issues. Continuous monitoring of physiological signals has the potential to greatly improve the quality of life of patients with diseases. Recent advances in sensor technology make the capture of such signals possible. In this paper, we present Remote Patient's Health Monitoring, a real-time, operator-based system solution for managing physiological patient's body temperature reading.. The system processes data using the device simulator that acts as real time body temperature sensor. The architecture is scalable, allowing implementation on systems ranging from desktops to server farms. It guarantees real-time response and data persistence in a distributed environment. We apply this prototype system to the problem that arises with current medical system.